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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/028,439	12/28/2001	Thomas R. Werner	H16 25543 US	4439
22913	7590 11/03/2004		EXAMINER	
WORKMAN NYDEGGER (F/K/A WORKMAN NYDEGGER & SEELEY) 60 EAST SOUTH TEMPLE 1000 EAGLE GATE TOWER SALT LAKE CITY, UT 84111			NGUYEN, DUNG T	
			ART UNIT	PAPER NUMBER
			2828	
			DATE MAILED: 11/03/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	*			
Office Action Summary		10/028,439	WERNER ET AL.				
		Examiner	Art Unit	J			
		Dung (Michael) T Nguy		pr			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
THE - Exterester - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statutor reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may within the statutory minimum owill apply and will expire SIX (6) as cause the application to become	y a reply be timely filed f thirty (30) days will be considered timel MONTHS from the mailing date of this c te ABANDONED (35 U.S.C. § 133).	ly. ommunication.			
Status							
1)⊠	Responsive to communication(s) filed on <u>06 A</u>	ugust 2004.					
2a) <u></u> ☐							
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ 5)□ 6)⊠ 7)□	Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1-24 is/are rejected. Claim(s) is/are objected to.						
Applicat	ion Papers						
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
•	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) <u> </u>	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority (under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some color None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	t(s)						
	te of References Cited (PTO-892)		ew Summary (PTO-413) No(s)/Mail Date				
3) Infor	ee of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date		of Informal Patent Application (PT	O-152)			

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DETAILED ACTION

Drawings

The replaced drawing 3 was received on 08/06/04.

Response to Arguments

Applicant's arguments with respect to claims 1-23 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ouchi (US6597713) in view of Cable et al. (US2003/0109142).

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With respect to claims 1-5, 8,14-17, and 24, Ouchi shows in Fig.19 a vertical cavity surface emitting laser 21 for producing a light beam along a light path; a semiconductive substrate 141 having an etched cavity in said light path and including a thin membrane between said etched cavity and said vertical cavity surface emitting laser; and an optical fiber 143 in said etched cavity and aligned in said light path; wherein said vertical cavity surface emitting laser 21 is attached to said semiconductive substrate 141. Ouchi lacks a light sensor blocks only part of the light beam produced by said vertical cavity surface emitting laser 21 during use such that light of the light beam not blocked by said light sensor is allowed to pass into said etched cavity. Cable teach in Fig.6A a light sensor 48 blocks only part of the light beam produced by the vertical cavity surface emitting laser 46 during use such that light of the light beam not blocked by the light sensor 48 is allowed to pass. For the benefit of controlling the VCSEL performance stability, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide Ouchi a light sensor blocks only part of the light beam produced by the vertical cavity surface emitting laser during use such that light of the light beam not blocked by the light sensor is allowed to pass as taught by Cable.

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With respect to claims 6-7 and 18, Ouchi shows in Fig.21 a metal contact 112 (electrode).

With respect to claims 9-11 and 19, Ouchi shows in Fig.21 an optical element 161.

With respect to claim 12, Ouchi discloses epoxy (col.16, l.16-17).

With respect to claims 13 and 20, Ouchi shows in Fig.30 a light beam controller 287.

With respect to claims 21-23, Ouchi the Si substrate (col.16, l.11).

Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung (Michael) T Nguyen whose telephone number is (571) 272-1949. The examiner can normally be reached on 8:30 - 17:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Min Harvey can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

Michael Dung Nguyen

MINSUN OH HATTY